

IN THE CLAIMS:

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1. (Once Amended) A shield for use with a hard disk drive [having a rectangular shape when viewed in plan], said hard disk drive having a heat emitting motor and heat emitting components, comprising:

a [rectangular] plate [having a rectangular shape when viewed in plan and] having two sides spaced no farther apart than the overall width of said hard drive, said two sides defining a substantially planar surface, the substantially planar surface comprising a depression located to contact said motor when said plate is attached to said hard disk drive,

said substantially planar surface of said plate being formed with a plurality of louvers to dissipate heat to the atmosphere, each said louver comprising a fixed [rectangular] fin within said [rectangular shape] substantially planar surface slanting upwardly from said plate, each said fin having three edges comprising a longitudinal edge having ends spaced inward from said sides and two side edges at said ends perpendicular to said longitudinal edge, said fin having a fourth edge integral with said plate and spaced from and parallel to said longitudinal edge, said fourth edge [side] interconnecting said side edges, each said fin being connected to said plate and located between said sides.

2. Canceled.

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3. (Original) A shield according to claim 1 in which said plate is formed with outward-upward slanted end edges.

4. (New) A shield for use with a hard disk drive, said hard disk drive having a heat emitting motor, comprising:

a plate having two spaced apart sides defining a substantially planar thermal conductive region therebetween, the substantially planar thermal conductive region further comprising a depression located to contact said motor when said plate is attached to said hard disk drive;

said substantially planar thermal conductive region comprising a plurality of louvers adapted to dissipate heat from said plate, each said louver comprising a fin connected to said substantially planar thermal conductive region slanting upwardly from said plate, each said fin having three primary edges comprising a longitudinal edge having ends spaced inward from said sides and two side edges at said ends substantially perpendicular to said longitudinal edge, said fin having a fourth edge integral with said plate and spaced apart from and substantially parallel to said longitudinal edge, said fourth edge interconnecting said side edges, each said fin being connected to said plate and located between said sides.

5. Canceled.

6. 8. (New) The shield according to Claim 4, wherein said plate further includes outward-upward slanted end edges.

6. 7. (New) The shield according to Claim 4, wherein said plate further comprises a substantially rectangular shape.

7. 8. (New) The shield according to Claim 4, wherein said fin further comprises a substantially rectangular shape.

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9. (New) A shield for use with a hard disk drive having a heat emitting motor, comprising:

a plate comprising a substantially planar surface disposed in a first plane, said substantially planar surface comprising a depression formed therein and located to contact said motor when said plate is attached to said hard disk drive; and,

a plurality of louvers provided in said substantially planar surface of said plate and adapted to dissipate heat from said plate, each of said plurality of louvers comprising a substantially planar surface disposed in a respective second plane that intersects said first plane at a corresponding angle, each of said plurality of louvers further comprising a plurality of side edges including an integral side edge connected to said plate.

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10. (New) The shield according to Claim ⁸9, wherein said plate further comprises a substantially rectangular shape having two spaced apart sides defining a thermal conductive region therebetween.

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11. (New) The shield according to Claim ⁹10, wherein said plurality of side edges further includes a distal side edge opposite said integral side edge having ends spaced inward from said two spaced apart sides, said distal side edge being substantially parallel to said integral side edge.

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12. (New) The shield according to Claim ¹⁰11, wherein said plurality of side edges further includes two end side edges disposed substantially perpendicular to said distal side edge.

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13. (New) The shield according to Claim ¹¹12, wherein said respective second planes of said plurality of louvers are substantially parallel to one another.

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~~14.~~ (New) The shield according to Claim ⁸~~9~~, further comprising a second plurality of louvers provided in said plate, each of said second plurality of louvers comprising a substantially planar surface disposed in a respective third plane that intersects said first plane at a corresponding angle, each of said second plurality of louvers further comprising a plurality of side edges including an integral side edge connected to said plate.

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15. Canceled.

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~~16.~~ (New) The shield according to Claim ⁸~~9~~, wherein said plate further includes two end louvers, each said end louver comprising a substantial planar surface that intersects said first plane at a corresponding angle.

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~~17.~~ (New) A computer storage system comprising:

a hard disk drive having a heat emitting motor; and

a shield attached to said hard disk drive, said shield comprising:

a plate comprising a substantially planar surface disposed in a first plane; and

a plurality of louvers provided in said plate and adapted to dissipate heat from said plate, each of said plurality of louvers comprising a substantially planar surface disposed in a respective second plane that intersects said first plane at a corresponding angle, each of said plurality of louvers further comprising a plurality of side edges including an integral side edge connected to said plate.

¹⁶18. (New) The storage system according to Claim ¹⁵17, wherein said plurality of side edges further includes a distal side edge opposite said integral side edge, said distal side edge being substantially parallel to said integral side edge.

¹⁷19. (New) The storage system according to Claim ¹⁶18, wherein said plurality of side edges further includes two end side edges disposed substantially perpendicular to said distal side edge.

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¹⁸20. (New) The storage system according to Claim ¹⁵17, wherein said plate further includes a depression oriented to contact said heat emitting motor when said plate is attached to said hard disk drive.

¹⁹21. (New) The storage system according to Claim ¹⁵17, wherein said plate further comprises a substantially rectangular shape.

²⁰22. (New) The storage system according to Claim ¹⁹21, wherein said hard disk drive further comprises a substantially rectangular shape.

²¹23. (New) The shield according to Claim ⁸8, wherein the second plane, in which each of the plurality of louvers are disposed, intersects the first plane, in which the plate is disposed, intersect at an acute angle.

²²24. (New) The computer storage system of Claim ¹⁵17, wherein the second plane, in which each of the plurality of louvers are disposed, intersects the first plane, in which the plate is disposed, intersect at an acute angle.